

14/19/1 (Item 1 from file: 347) DIALOG(R)File 347:JAPIO (c) 2009 JPO & JAPIO. All  
rts. reserv.  
06709576 **IMAGE FORMING DEVICE**

**Pub. No.:** 2000-295408 [JP 2000295408 A ]  
**Published:** October 20, 2000 (**20001020**)  
**Inventor:** KONNO SHIGEKI  
**Applicant:** CANON INC  
**Application No.:** 11-096107 [JP 9996107]  
**Filed:** April 02, 1999 (19990402)  
**International Class:** H04N-001/00; G03G-021/00

## **ABSTRACT**

**PROBLEM TO BE SOLVED:** To print out a 1st page in a short time by starting feeding of recording paper before generation of an image is finished so as to reduce a paper feed wait time, when only one image data to be printed is detected through referencing a print request queue.

**SOLUTION:** After registration of a request not processed in a request list, when the number of elements in the request list is one, a paper feed request is sent to a printer control program by using a recording paper size being only one print preparation request parameter in existence in the request list as the parameter of the request. Then a **print request**, having the **same program ID** and page ID as those of the print preparation request, is awaited, and when the print request arrives, an image transfer request is fed to the printer control program by using a storage address of image data being the print request parameter for a parameter of the print request and a print end notice from the printer control program is awaited.

**COPYRIGHT:** (C)2000,JPO

14/19/3 (Item 3 from file: 347) DIALOG(R)File 347:JAPIO (c) 2009 JPO & JAPIO. All  
rts. reserv.  
05359149 **\*\*Image available\*\***  
**IMAGE PROCESSOR AND ITS CONTROL METHOD**

**Pub. No.:** 08-314649 [JP 8314649 A ]  
**Published:** November 29, 1996 (**19961129**)  
**Inventor:** SUZUKI TAKAYUKI  
**Applicant:** CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)  
**Application No.:** 07-114644 [JP 95114644]  
**Filed:** May 12, 1995 (19950512)  
**International Class:** [ 6 ] G06F-003/12; B41J-005/30; B41J-029/38

**JAPIO Class:** 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4 (PRECISION INSTRUMENTS -- Business Machines)

**ABSTRACT**

**PURPOSE:** To control the service order of processes according to additional information and offer services precedent to the processing of other processes in an emergency case by providing a means which adds the additional information to a data packet inputted from an external device and a means which controls the order of the processing of the data packet according to the additional information.

**CONSTITUTION:** In interfaces, processes to receive service are given priority respectively. For example, the interface 3 with the fastest transmission rate where a data transmission line 4 is connected is given the top priority, other interfaces 3 are given priority in the order of the transmission rates of connected data transmission lines 4, and the interface 3 with the slowest transmission rate where the data transmission line 4 having the slowest transmission rate is connected is given the lowest priority. To give the processing of **one process** priority to the processing of other processes, an emergency **printing request** is sent to the interfaces with a command, etc., precedent to printing

**14/3,K/12 (Item 6 from file: 350) DIALOG(R)File 350:Derwent WPIX (c) 2009**  
Thomson Reuters. All rts. reserv.

0014637797 *Drawing available*  
WPI Acc no: 2004-819796/200481  
XRPX Acc No: N2004-647051

**Method for processing print job in data processing system e.g. computer, involves providing hardware service for printer corresponding to print job using software simulation, if service is unsupported by selected printer**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: COOPER M R; DUTTA R; HAMZY M J; VANDERWIELE M W;  
ZANNUCCI P A

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6816270	B1	20041109	US 1999276388	A	19990325	200481	B

Priority Applications (no., kind, date): US 1999276388 A 19990325

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 6816270	B1	EN	11	7	

Original Publication Data by AuthorityArgentina**Publication No. Claims:** What is claimed is: 1. A method in a data processing system for processing a print job

comprising: receiving a call from an **application** to print the **print job** to a **selected printer**, wherein the **print job includes** a request to use a hardware service; providing a print preview of the print job prior to printing the print job; responsive to receiving an...

**14/3,K/14 (Item 8 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0014464539 *Drawing available*  
WPI Acc no: 2004-655921/200464  
XRPX Acc No: N2004-518999

**Information processor for printing system, couples print jobs spooled by spool unit to single print job transmits single print job to printer**  
Patent Assignee: CANON KK (CANO)  
Inventor: KURITA T

Patent Family ( 3 patents, 2 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2004246570	A	20040902	JP 200334930	A	20030213	200464	B
US 20040196482	A1	20041007	US 2004775088	A	20040211	200466	E
JP 4181890	B2	20081119	JP 200334930	A	20030213	200878	E

Priority Applications (no., kind, date): JP 200334930 A 20030213

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 2004246570	A	JA	20	14		
JP 4181890	B2	JA	24		Previously issued patent	JP 2004246570

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**of a print job and a print job.Comprising:The first-judgement means which determines whether the application at the time of producing/generating the **print job** of a current and a subsequent **print job** is a **specific application**.The second-judgement means which determines whether the number of the print job of a current and a subsequent print job is 1.The application at the time of the said first-judgement means producing/generating the print job of a current and a subsequent **print job** is determined as it is a **specific application**.A discarding means to discard the information which becomes a cause by which a reset processing is carried out by a printing apparatus when the... Basic Derwent Week: 200464

**14/3,K/16 (Item 10 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0014189258 *Drawing available*  
WPI Acc no: 2004-374671/200435  
XRPX Acc No: N2004-298093

**Print driver for use in printing document from computing device, allows addition of extended module to process extended print operation involving printer specific attributes of extended printers not shared with base printer**

Patent Assignee: GOMEZ J M (GOME-I); HEWLETT-PACKARD DEV CO LP  
(HEWP)

Inventor: GOMEZ J M; BHAKTHAVATSALAM S; MAO Y; TOOR B S

Patent Family ( 2 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040085572	A1	20040506	US 2002286119	A	20021031	200435	B
US 7106472	B2	20060912	US 2002286119	A	20021031	200660	E

Priority Applications (no., kind, date): US 2002286119 A 20021031

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
US 20040085572	A1	EN	15	12	

Original Publication Data by  
AuthorityArgentina**Publication**

No. ...**Original Abstracts**:provided, the extended printing device being based upon a base printing device. The print driver typically includes a base module configured to process at least **one print operation** involving printer-specific attributes of the extended printing device that are shared with the base printing device, and an interface module configured to enable an extended module to be added to the print driver to process at least **one print operation** involving printer-specific attributes of the extended printing device that are not shared with the base printing device.... the extended printing device being based upon a base printing device. The print driver typically includes a base module configured to process at least one **print operation** involving printer-specific attributes of the extended printing device that are shared with the base printing device, and an interface module configured to enable an extended module to be added to the print driver to process at least one **print operation** involving printer-specific attributes of the extended printing device that are not shared with the base printing device. ...**Claims**:the extended printing device being based upon a base printing device, the print driver comprising:a base module configured to process at least one base **print operation** involving printer-specific attributes of the extended printing device that are shared with the base printing device; andan interface module configured to enable an extended module to be added to the print driver to process... .. print operations involving the extended attributes;wherein the extended printing device further includes dual attributes, and the base module and the extended module are both **configured to process at least one print operation** involving the dual attributes.**Basic Derwent Week: 200435**

**14/3,K/18 (Item 12 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0013816766 *Drawing available*

WPI Acc no: 2003-561036/**200353**

Related WPI Acc No: 2000-259529

XRFX Acc No: N2003-445950

**Operating printer by monitoring compliance of engine cycle time and printing and non-printing phases**

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Inventor: BENEAR R H; CHADEZ C E

Patent Family ( 2 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
GB 2384352	A	20030723	GB 199923147	A	19990930	200353	B
			GB 20036993	A	20030326		
GB 2384352	B	20031001				200367	E

Priority Applications (no., kind, date): US 1998175720 A 19981020

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
GB 2384352	A	EN	21	6	Division of application	GB 199923147

**Alerting Abstract ...ADVANTAGE** - Method enables both processing and **printing tasks** using only **one application** specific IC (ASIC) at an acceptable engine speed...  
Basic Derwent Week: **200353**

**14/3,K/20 (Item 14 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0013423547 *Drawing available*  
WPI Acc no: 2003-514224/**200349**  
XRPX Acc No: N2003-408170

**Printing system for large print jobs has receiving hardware interface, rendering software interface and renderer hardware which operate in a pipelined manner capable of concurrently processing job data from at least one page of print job**  
Patent Assignee: CANON KK (CANO); STONEY G (STON-I)  
Inventor: STONEY G

Patent Family ( 4 patents, 2 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
AU 200148020	A	20011129	AU 200148020	A	20010524	200349	B
US 20020004859	A1	20020110	US 2001863434	A	20010524	200355	E
AU 756971	B	20030130	AU 200148020	A	20010524	200360	E
US 6954803	B2	20051011	US 2001863434	A	20010524	200567	E

Priority Applications (no., kind, date): AU 20007723 A 20000524

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
AU 200148020	A	EN	31	9	
AU 756971	B	EN			Previously issued patent AU 200148020

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**software interface, and said renderer hardware are arranged to operate in a pipelined manner, being thereby capable of concurrently processing job data from at least **one page** of the **print job.**>

**14/3,K/21 (Item 15 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0013413091 *Drawing available*  
WPI Acc no: 2003-503461/**200347**

XRFX Acc No: N2003-399660

**Wireless printing interface kit, has processor and memory that stores wireless printing logic executed by processor for printing operation**

Patent Assignee: CHAPPLE L (CHAP-L); HEWLETT-PACKARD CO (HEWP);  
POCHUEV D A (POCH-L); WALRATH R P (WALR-L); WELLS T A (WELL-L);  
HEWLETT-PACKARD DEV CO LP (HEWP)

Inventor: CHAPPLE L; POCHUEV D A; WALRATH R P; WELLS T A

Patent Family ( 5 patents, 32 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030043406	A1	20030306	US 2001947261	A	20010905	200347	B
EP 1292100	A2	20030312	EP 2002256008	A	20020829	200347	E
JP 2003177882	A	20030627	JP 2002241341	A	20020822	200351	E
JP 3647827	B2	20050518	JP 2002241341	A	20020822	200533	E
US 7417754	B2	20080826	US 2001947261	A	20010905	200857	E

Priority Applications (no., kind, date): US 2001947261 A 20010905

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20030043406	A1	EN	16	4		
EP 1292100	A2	EN				
Regional Designated States,Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
JP 2003177882	A	JA	13			
JP 3647827	B2	JA	16		Previously issued patent	JP 2003177882

Original Publication Data by AuthorityArgentina**Publication No.** ...**Claims:**embodied on a computer readable medium, comprising:a number of hidden objects (143) that perform a number of wireless printing tasks associated with a wireless **printing operation** for an application (129);at least **one application** programming interface (API) object (146) that provides an interface between the application (129) and the hidden objects (143); andat least one adaptive object template.... **kit** embodied on a computer readable medium, comprising:a number of hidden objects that perform a number of wireless printing tasks associated with a wireless **printing operation** for an application;at least **one application** programming interface (API) object that provides an interface between the application and the hidden objects; andat least one adaptive object template that specifies a... Basic Derwent Week: **200347**

**14/3,K/25 (Item 19 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0013267355 *Drawing available*  
WPI Acc no: 2003-353165/**200333**  
XRPX Acc No: N2003-282093

**Information processing apparatus for controlling color laser beam printer, determines whether image data to be transmitted to printer, is to be in compressed or decompressed state, based on processing speed of printer**

Patent Assignee: CANON KK (CANO)

Inventor: TODA M

Patent Family ( 2 patents, 2 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030011819	A1	20030116	US 2002194591	A	20020711	200333	B
JP 2003029938	A	20030131	JP 2001212673	A	20010712	200333	E

Priority Applications (no., kind, date): JP 2001212673 A 20010712

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030011819	A1	EN	15	6	
JP 2003029938	A	JA	10		

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**and the second print command generation device depending on an estimation result,wherein a print command is generated by the selected one of the first **print command** generation device and the second **print command** generation device to conduct a **printing process** for the compressed **image data.**>**Basic Derwent Week: 200333**

**14/3,K/26 (Item 20 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0013267238 *Drawing available*  
WPI Acc no: 2003-353043/**200333**  
Related WPI Acc No: 2007-660872; 2009-H94597

**Image processor for network printing system, sets printing instructions for each application based on which application name is specified and instructions are defined**

Patent Assignee: FUJI XEROX CO LTD (XERF)

Inventor: ISHIZUKA R; KODAMA M; NISHIDE Y



Patent Family ( 6 patents, 2 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030007173	A1	20030109	US 2002173019	A	20020618	200333	B
JP 2003005931	A	20030110	JP 2001187202	A	20010620	200333	E
JP 2007122750	A	20070517	JP 2001187202	A	20010620	200734	E
			JP 200717388	A	20070129		
US 7253918	B2	20070807	US 2002173019	A	20020618	200753	E
JP 2007272910	A	20071018	JP 2001187202	A	20010620	200807	E
			JP 2007119702	A	20070427		
JP 4321596	B2	20090826	JP 2001187202	A	20010620	200956	E
			JP 200717388	A	20070129		

Priority Applications (no., kind, date): JP 2001187202 A 20010620; US 2002173019 A 20020618; JP 200717388 A 20070129; JP 2007119702 A 20070427

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030007173	A1	EN	17	7	
JP 2003005931	A	JA	12		
JP 2007122750	A	JA	17		Division of application JP 2001187202
JP 2007272910	A	JA	18		Division of application JP 2001187202
JP 4321596	B2	JA	16		Division of application JP 2001187202
					Previously issued patent JP 2007122750

**Alerting Abstract ...NOVELTY** - The **printing instructions** for each application are stored in a memory (30). A **specific application** name is selected from an instruction retrieval command using an extraction unit (36) and accordingly suitable instructions are retrieved from the memory. The instruction settings... Basic Derwent Week: **200333**

**14/3,K/30 (Item 24 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0012685735 *Drawing available*  
WPI Acc no: 2002-536397/**200257**  
Related WPI Acc No: 2001-040461  
XRPX Acc No: N2002-424748

**Printing mechanism controlling method for handheld label printer, involves printing character scaled using stored font files, based on execution of character**

**rendering program and application program in host computer**

Patent Assignee: ZIH CORP (ZIHZ-N)

Inventor: AMANI M; PETTERUTI S F; VIOLETTE R P

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6411397	B1	20020625	US 1997926305	A	19970905	200257	B
			US 2000632550	A	20000804		

Priority Applications (no., kind, date): US 1997926305 A 19970905; US 2000632550 A 20000804

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6411397	B1	EN	23	11	Continuation of application US 1997926305

**Alerting Abstract ...NOVELTY** - Several application programs, character font files and a character rendering program are stored in a memory (28). The **printer operation** is controlled based on the execution of the **selected application program** in host computer. The outline of stored characters are scaled to a certain size based on execution of the character rendering program and selected application... Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**which are each executable by said computer;selecting one of said application programs;executing said selected application program on said computer to operate said printer **in accordance with said selected application program**;receiving information for controlling **printer operation from a host computer** entered via a graphical user interface **operating at** the host computer in which said **selected application program** operates in accordance with said received information;storing in said memory font files representing data defining an outline of characters to be printed, and a... Basic Derwent Week: **200257**

**14/3,K/34 (Item 28 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0012269836 *Drawing available*WPI Acc no: 2002-210347/**200227**

XRPX Acc No: N2002-160756

**Image output system selects one specific digital compound machine or several digital compound machines to process print job, based on judgment result of inclusion of specific process condition**

Patent Assignee: SHARP KK (SHAF)

Inventor: HASHIMOTO O

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001256019	A	20010921	JP 200066538	A	20000310	200227	B

Priority Applications (no., kind, date): JP 200066538 A 20000310

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2001256019	A	JA	12	4	

**Image output system selects one specific digital compound machine or several digital compound machines to process print job, based on judgment result of inclusion of specific process condition** Alerting Abstract ...NOVELTY - A judgment unit judges whether specific process conditions are included in the print job output processing conditions. A selector selects the digital compound machines to process print job when specific process conditions are not included, and selects one specific digital compound machine when specific process conditions are included. Basic Derwent Week: **200227**

**14/5/34 (Item 28 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0012269836 *Drawing available*  
WPI Acc no: 2002-210347/**200227**  
XRPX Acc No: N2002-160756

**Image output system selects one specific digital compound machine or several digital compound machines to process print job, based on judgment result of inclusion of specific process condition**  
Patent Assignee: SHARP KK (SHAF)  
Inventor: HASHIMOTO O

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001256019	A	20010921	JP 200066538	A	20000310	200227	B

Priority Applications (no., kind, date): JP 200066538 A 20000310

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2001256019	A	JA	12	4	

**Alerting Abstract JP A**

NOVELTY - A judgment unit judges whether **specific process** conditions are included in the **print job** output processing conditions. A selector selects the digital compound machines to process **print job** when **specific process** conditions are not included, and selects one specific digital compound machine when specific process conditions are included.

USE - Image output system having digital compound machines for image processor such as personal computer.

ADVANTAGE - Several digital compound machines of image output system can be operated efficiently.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining print job process in image output system. (Drawing includes non-English language text).

**Title Terms /Index Terms/Additional Words:** IMAGE; OUTPUT; SYSTEM; SELECT; ONE; SPECIFIC ; DIGITAL; COMPOUND; MACHINE; PROCESS; PRINT; JOB; BASED; RESULT; INCLUSION ; CONDITION

**14/3,K/40 (Item 34 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0010751342 *Drawing available*

WPI Acc no: 2001-364511/**200138**

XRFX Acc No: N2001-266144

**Printing control device detects storage of parallel input printing data and indicates analysis start of printing data based on job control information acquired during input**

Patent Assignee: CANON KK (CANO)

Inventor: UTSUNOMIYA K

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001109601	A	20010420	JP 1999286209	A	19991007	200138	B

Priority Applications (no., kind, date): JP 1999286209 A 19991007

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2001109601	A	JA	10	7	

**Alerting Abstract** ...NOVELTY - Printing control device has input sections for parallel input of printing data from multiple hosts, and memory to store input data. In **particular process mode**, storage of printing data in RAM (19) based on **printing jobs** is detected. Analysis start of printing data is indicated based on job control information acquired during input of data. Control unit changes and sets up... Basic Derwent Week: **200138**

**14/3,K/44 (Item 38 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0010129301 *Drawing available*

WPI Acc no: 2000-437403/**200038**

Related WPI Acc No: 2007-550270

XRPX Acc No: N2000-327306

**Electronic mail transmission device in personal computer, has printer driver which transforms supplied data to predetermined data format**

Patent Assignee: RICOH KK (RICO)

Inventor: MARUYAMA A

Patent Family ( 2 patents, 2 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2000155722	A	20000606	JP 1999257777	A	19990910	200038	B
US 7016057	B1	20060321	US 1999398038	A	19990917	200621	E

Priority Applications (no., kind, date): JP 1998283459 A 19980918; JP 1999257777 A 19990910

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 2000155722	A	JA	11	12	

Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**by a specific application such as a word processor application and an instruction for the electronic mail transmission is input through the specific application. The **specific application** preparing document data has a function to send a **print instruction** to print the document data. A printer driver is activated by the print instruction of the application program. The printer driver converts the document data...  
Basic Derwent Week: **200038**

**14/5/45 (Item 39 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009  
Thomson Reuters. All rts. reserv.

0010065404 *Drawing available*

WPI Acc no: 2000-371372/**200032**

XRPX Acc No: N2000-278397

**Information processor for sharing printer connected to network, performs overlay process of implanting data file based on generated compound form information**

Patent Assignee: CANON KK (CANO)

Inventor: OTA S

Patent Family ( 2 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2000122837	A	20000428	JP 1998290768	A	19981013	200032	B
JP 3796360	B2	20060712	JP 1998290768	A	19981013	200648	E

Priority Applications (no., kind, date): JP 1998290768 A 19981013

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 2000122837	A	JA	17	11		
JP 3796360	B2	JA	21		Previously issued patent	JP 2000122837

#### Alerting Abstract JP A

NOVELTY - The compound form information for managing several form files, is generated. According to the generated compound form information the overlap process of the implanting data file is controlled by the overlay control unit.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- A. information processing procedure;
- B. information processing program

USE - For sharing printer connected to network.

ADVANTAGE - Overlay printing process is performed efficiently and continuously within **one printing job** as another job is not intermingled. **Continuous printing** of several sorts of record book forms is performed effectively by changing the paper cassette by which preprint is setup earlier.

**14/3,K/54 (Item 48 from file: 350)** DIALOG(R)File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0007609031 *Drawing available*

WPI Acc no: 1996-226599/**199623**

XRPX Acc No: N1996-190367

**Programmable controller - in which printing output of modified page is carried out based on modified page number stored in page number storage unit**

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE); FUJIFACON CORP (FUJX)

Inventor: ABE T; YOSHIDA Y

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 8087308	A	19960402	JP 1994248415	A	19940916	199623	B

Priority Applications (no., kind, date): JP 1994248415 A 19940916

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
JP 8087308	A	JA	4	2	

**Alerting Abstract** ...In order to obtain a printout of **particular program**, a **printing instruction** is input through a program command input unit (13). As a result, the printing output of the modified page along with the whole program stored... .. Basic Derwent Week: **199623**...

**14/3,K/57 (Item 51 from file: 350) DIALOG(R)File 350:Derwent WPIX (c) 2009**  
Thomson Reuters. All rts. reserv.

0007130862 *Drawing available*  
WPI Acc no: 1995-163646/**199522**  
XRPX Acc No: N1995-128338

**Selectable post printer control method in printer system - involves building print data stream at host and sending to intelligent printer and post processor to produce modified printouts**

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)  
Inventor: CHEN W; DAVID; HOHENSEE R H; JAMES W M; MARLIN J W; NAGDA J M; REINHARD H H ; SHOOK F S; STONE D E

Patent Family ( 3 patents, 5 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 651318	A2	19950503	EP 1994480101	A	19941007	199522	B
JP 7182120	A	19950721	JP 1994250263	A	19941017	199538	E
US 5822506	A	19981013	US 1993144848	A	19931028	199848	E

Priority Applications (no., kind, date): US 1993144848 A 19931028

Patent Details					
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
EP 651318	A2	EN	12	6	
Regional Designated States,Original		DE FR GB			
JP 7182120	A	JA	10		

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**least one intelligent post printer processor with selectable operations for modification of printed

sheets, apparatus for controlling the application of specific post processing functions to **specific sheets** within a **print job** comprising: means for building for each **print job** a print data stream, said print data stream including print data and printer control data; means for insertion of post processor control data to said... Basic Derwent Week: **199522**

**14/3,K/62 (Item 56 from file: 350) DIALOG(R)**File 350:Derwent WPIX (c) 2009 Thomson Reuters. All rts. reserv.

0003671930

WPI Acc no: 1986-114243/**198618**

**Printable data stream formatter - uses general print command shells with parameters that are calculated with indexed table**

Patent Assignee: IBM CORP (IBM); INT BUSINESS MACHINES CORP (IBM)

Inventor: HEATH A W

Patent Family ( 4 patents, 4 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 179206	A	19860430	EP 1985109460	A	19850730	198618	B
US 4710886	A	19871201	US 1984664181	A	19841024	198750	E
EP 179206	B	19920429	EP 1985109460	A	19850730	199218	E
DE 3585940	G	19920604	DE 3585940	A	19850730	199224	E
			EP 1985109460	A	19850730		

Priority Applications (no., kind, date): US 1984664181 A 19841024

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 179206	A	EN	33	8		
Regional Designated States,Original	DE FR GB IT					
EP 179206	B	EN	21			
Regional Designated States,Original	DE FR GB IT					
DE 3585940	G	DE			Application	EP 1985109460
					Based on OPI patent	EP 179206

Original Publication Data by AuthorityArgentina**Publication No. ...Claims:**print command parameters; and printer status data which contains information describing the capabilities of and particular



conditions within said printer, and in that said print **formatting program** (27) has **commands** for selecting one of said **print command** subsections (37, 38) in response to said text data (28), said printer description table (31), and said printer status data, to place selected print commands... Basic Derwent Week: **198618**

8/3,K/3 (Item 3 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009  
European Patent Office. All rts. reserv.  
00938601

## HIGH RESOLUTION REAL TIME RASTER IMAGE PROCESSING SYSTEM AND METHOD

**Title in German:** ECHTZEIT-VERARBEITUNGSEINRICHTUNG UND -  
VERFAHREN FUER BILDER HOHER Auflösung

**Title in French:** SYSTEME ET PROCEDE DE TRAITEMENT EN TEMPS REEL  
D'IMAGES A HAUTE RESOLUTION

**Patent Assignee:** MOORE BUSINESS FORMS, INC., (201569), 300 Lang  
Boulevard, Grand Island New York 14072-1697, (US), (Proprietor  
designated states: all)

**Inventor:** CYMAN, Theodore, F., 111 Brandywine Drive, Grand Island, NY  
14072, (US)  
KERNIN, Kevin, P., 2432 long Road, Grand Island, NY 14072,  
(US)  
RECCHIONE, Robert, J., 3430 Woodlawn Avenue, Niagara Falls,  
NY 14304, (US)  
TREIS, Anthony, L., 1439 Rule Road, North Tonawanda, NY  
14120, (US)

**Legal Representative:** Townsend, Victoria Jayne et al (88955), Fry Heath & Spence LLP,  
The Gables, Massetts Road, Horley, Surrey RH6 7DQ, (GB)

	Patent Number	Kind	Date
Patent	EP 925550	A1	990630 (Basic)
	EP 925550	B1	051123
	WO 1998011503		980319
Application	EP 97939715		970902
	WO 97US15350		970902
Priority	US 709848		960910

**Designated States:** AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

**International Patent** G06K-015/00

**Class:**

INTERNATIONAL PATENT CLASS (V7): G06K-015/00

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200547	1153
CLAIMS B	(German)	200547	1043
CLAIMS B	(French)	200547	1364
SPEC B	(English)	200547	14987

<b>Total word count</b>	Document A	0
<b>Total word count</b>	Document B	18547
<b>Total word count</b>	Document A + B	18547

**Specification**

...significant advance over the prior art. However, such systems can be quite costly and may provide more capabilities than are needed to run a particular **print job**. In **certain applications**, flexibility and extended capabilities may be of lower importance than reduced cost. For example, in some applications only a specific type of print engine will...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office. All rights reserved.

---

**Dialog eLink:** [Order file history](#)

5. ☐ **8/3,K/5 (Item 5 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS**  
 (c) 2009 European Patent Office. All rts. reserv.  
 00509343

**Method and system for matching the software command language of a computer with the printer language of a printer**

**Title in German: Verfahren und System zum Anpassen eines Rechnerprogrammbefehls an eine Druckersprache**

**Title in French: Procédé et système d'adaptation du langage d'instruction du logiciel d'un ordinateur au langage d'une imprimante**

**Patent Assignee:** Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: DE;FR;GB;IT)

**Inventor:** VASSAR, Robert, Miles, 1620 N. 28th Street, Boise, ID 83703, (US)

**Legal Representative:** Baillie, Iain Cameron et al (27951), Ladas & Parry,  
Altheimer Eck 2, 80331 Munchen, (DE)

	Patent Number	Kind	Date
Patent	EP 548251	A1	930630 (Basic)
	EP 548251	B1	990331
	WO 9204672		920319
Application	EP 91917488		910911
	WO 91US6556		910911
Priority	US 580984		900912

**Designated States:** DE; FR; GB; IT

**International Patent Class:** G06F-003/12;

INTERNATIONAL PATENT CLASS (V7): G06F-003/12;

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9913	1317
CLAIMS B	(German)	9913	1253
CLAIMS B	(French)	9913	1585
SPEC B	(English)	9913	4403


Total word count	Document A	0
Total word count	Document B	8558
Total word count	Document A + B	8558

**Claims** ...tag is not detected in the stream of data, detecting (66, 70) the presence or absence of certain character and frequency data unique to a **particular software** and **printer command** language to thereby generate a language-determinative output signal useful for automatically connecting a computer or workstation to a printer while simultaneously matching the command...

EUROPEAN PATENTS (Dialog® File 348); (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

7.  **8/3,K/7 (Item 7 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS**  
(c) 2009 European Patent Office. All rts. reserv.  
01792924

**Idiom recognizing document splitter**

**Title in German:** Teiler von Dokumenten mit Erkennung  
benutzerspezifischer Wortschatzteile

**Title in French:** Separateur de documents avec reconnaissance de parties de  
vocabulaires specialises

**Patent Assignee:** Xerox Corporation, (219788), Xerox Square - 20A, 100  
Clinton Avenue South, Rochester, New York 14644, (US),  
(Applicant designated States: all)

**Inventor:** Klassen, Victor R., 293 Brooksboro Drive, Webster, Ny  
14580, (US)

**Legal Representative:** Grunecker, Kinkeldey, Stockmair & Schwanhauser  
Anwaltssozietat (100721), Leopoldstrasse 4, 80802  
Munchen, (DE)

	Patent Number	Kind	Date
Patent	EP 1465053	A2	041006 (Basic)
	EP 1465053	A2	041006
	EP 1465053	A3	090107
Application	EP 2004008235		040405
Priority	US 408022		030404

**Designated States:** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB;  
GR; HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK;  
TR

**International Patent Class:** G06F-003/12

**INTERNATIONAL PATENT CLASS (V7):** G06F-003/12  
**INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):**

IPC + Level Value Position Status Version Action Source Office:  
G06F-0003/12 A I F B 20060101 20040720 H EP

**Abstract Word Count:** 122

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200441	457
SPEC A	(English)	200441	4470

<b>Total word count</b>	Document A	4928
<b>Total word count</b>	Document B	0
<b>Total word count</b>	Document A + B	4928

**Claims** ...plurality of processing nodes.

4. The method as defined in claim 1, wherein the searching comprises verifying a use of the selected token in the **print job** by identifying **selected program** idioms therein precluding predetermined processing operations such as page re-ordering, page parallel printing and subset printing.

5. The method as defined in claim 4...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

**Dialog eLink:** [Order file history](#)

8. 8/3,K/8 (Item 8 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2009 European Patent Office. All rts. reserv.  
01669057

**DEVICE AND ITS OPERATION METHOD FOR ENABLING PRINTER  
TO PRINT PAGE OF DESIRED DESIGN**

**Title in German:** EINRICHTUNG UND IHR BETRIEBSVERFAHREN,  
SO DASS EIN DRUCKER EINE SEITE MIT GEWUNSCHTEM  
ENTWURF DRUCKEN KANN

**Title in French:** DISPOSITIF ET SON PROCEDE DE  
FONCTIONNEMENT PERMETTANT A UNE IMPRIMANTE  
D'IMPRIMER UNE PAGE PRESENTANT UNE CONFIGURATION  
SOUHAITEE

**Patent Assignee:** SEIKO EPSON CORPORATION, (730001), 4-1,  
Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 160-0811, (JP),  
(Applicant designated States: all)

**Inventor:** NARUSAWA, Hideyuki, c/o Seiko Epson Corporation, 3-5,  
Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)

Oyanagi, Makoto, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)

**Legal Representative:** Cloughley, Peter Andrew (125551), Miller Sturt Kenyon, 9 John Street, London WC1N 2ES, (GB)

	Patent Number	Kind	Date
Patent	EP 1498811	A1	050119 (Basic)
	WO 2003085510		031016
Application	EP 2003745917		030404
	WO 2003JP4335		030404
Priority	JP 2002103350		020405

**Designated States:** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR  
**International Patent Class:** G06F-003/12; H04N-001/387; G06F-017/21

**INTERNATIONAL PATENT CLASS (V7):** G06F-003/12; H04N-001/387; G06F-017/21

**Abstract Word Count:** 137

**Language (Publication,Procedural,Application):** English; English; Japanese

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200503	1867
SPEC A	(English)	200503	18484

Total word count	Document A	20351
Total word count	Document B	0
Total word count	Document A + B	20351

**Specification**

...data files, and a specified code, and the one or more items of file identification information is(are) contained in a predetermined range within the **print job** file. Upon detecting the **specified code**, the printing means handle a data file, which is identified from a predetermined file identification information item among one or more file identification information items...

...of the descriptive content of each of the layout description sections.

Another data structure according to the present invention is a data structure of a **print job** file that can be parsed by a printer, comprising: a **specified code**; and one or more items of file identification information serving to identify each of one or more data files, wherein the specified code allows a...design which is to be printed on the basis of the job attribute description section and the layout description section which are contained in the **print job** file, and the **specified code** contained in an array of print target image description sections or in each description section.

A few examples of the print job file described using...  
...section 320, for example) that lies in the lower section of the layout description section 322. In other words, when the printer that parses the **print job** file 335 shown in the figure detects the **specified code**, the file represented by the image identification code contained in all or a predetermined part of the print target image description section 323 (the print...  
...be enabled by modifying, adding, or erasing the existing tag defined values without extending or newly adding a tag.

In addition, with the above-described **print job** file 335, because a **specified code** is described in part of a minor code, when the printer which is to parse the print job file 335 is temporarily unable to execute...

## Claims

...data files, and a specified code, and the one or more items of file identification information is(are) contained in a predetermined range within the **print job** file; and,

upon detecting  
the **specified code**, the printing means handle a data file,  
which is identified from a predetermined file identification information item among one or more file identification information items...  
...which an image is disposed on the basis of the descriptive content of each of the layout description sections.


24. A data structure of  
a **print job** file that can be parsed by a printer, comprising:

a **specified code**; and  
one or more  
items of file identification information serving to identify each of one or more data files, wherein the specified code allows a...



---

**Dialog eLink:** [Order file history](#)

9.  **8/3,K/9 (Item 9 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS**  
(c) 2009 European Patent Office. All rts. reserv.  
01664214

**Information processing apparatus and print system**

**Title in German:** Informationsverarbeitendes Gerat, Druckersystem

**Title in French:** Dispositif de traitement d'information, systeme d'impression

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Applicant designated States: all)

**Inventor:** Yagita, Takashi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Morooka, Hidekazu, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Kitagata, Kei, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Kurotsu, Noriyoshi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Wanda, Koichiro, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Kayama, Hiroyuki, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Ohshima, Masamichi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Kikuchi, Koji, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)  
Shirai, Kenichi, c/o Canon Kabushiki Kaisha, 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP)

**Legal Representative:** Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 16 High Holborn, London WC1V 6BX, (GB)

	Patent Number	Kind	Date
Patent	EP 1367482	A2	031203 (Basic)
	EP 1367482	A3	041208
Application	EP 2003253423		030530

Priority	JP 2002160571	020531
	JP 2003146793	030523

**Designated States:** DE; ES; FR; GB; IT

**International** G06F-003/12

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-003/12

**Abstract Word Count:** 156

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200349	1929
SPEC A	(English)	200349	18767

Total word count	Document A	20696
Total word count	Document B	0
Total word count	Document A + B	20696

#### Specification


...a case.

On the other hand, there is a case where specific application software creates a general print file and directly outputs it as a **print job**. The case where **specific application** software creates a general print file is different in the way of transferring information to the group printer driver 603 and the way of processing...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

14.  **8/3,K/14 (Item 14 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01555361

**Information processing apparatus and method**

**Title in German:** Informationsverarbeitungsgerät und Verfahren

**Title in French:** Appareil et procede de traitement d'information

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Applicant designated States: all)

**Inventor:** Nakagiri, Koji,c/o Canon Kabushiki Kaisha, 30-2, 3-chome Shimomaruko, Ohta-ku,Tokyo, (JP)

**Legal Representative:** Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 16 High Holborn, London WC1V 6BX, (GB)

	Patent Number	Kind	Date
Patent	EP 1293885	A2	030319 (Basic)
	EP 1293885	A3	070815
Application	EP 2002256255		020910
Priority	JP 2001280605		010914

**Designated States:** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

**International Patent Class:** G06F-003/12

**INTERNATIONAL PATENT CLASS (V7):** G06F-003/12

**INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):**

IPC + Level Value Position Status Version Action Source Office:

G06F-0003/12 A I F B 20060101 20030128 H EP

**Abstract Word Count:** 108

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200312	1410
SPEC A	(English)	200312	10377

Total word count	Document A	11789
Total word count	Document B	0
Total word count	Document A + B	11789

### Specification


...one document. The use of the integrated application allows the user to combine data created by respective applications into one target document by using a **specific application** included in the integrated application.

In order to issue a **print instruction** for a created document or the like on an information processing apparatus such as a personal computer and utilize the functions of a printing apparatus...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

15.  **8/3,K/15 (Item 15 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01552420

### Wireless printing interface kit and method

**Title in German:** Kabellose Druckschnittstelle und Verfahren

**Title in French:** Interface d'impression sans fil et procede

**Patent Assignee:** Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA 94304 , (US), (Applicant designated States: all)

**Inventor:** Wells, Trevor A., 17013 SE 2nd Street, Vancouver, WA 98684, (US)  
Chapple, Loren, 5117 NE 51st Street, Vancouver, WA 98661, (US)  
Walrath, Robert P., 7006 NE 209th Street, Battle Ground, WA98604, (US)  
Pochuev, Denis A., 3822 NW 15th Avenue, Camas, WA 98607, (US)

**Legal Representative:** Carpmals & Ransford (101821), 43 Bloomsbury Square, London WC1A 2RA, (GB)

	Patent Number	Kind	Date
Patent	EP 1292100	A2	030312 (Basic)
	EP 1292100	A3	051207

<b>Application</b>	EP 2002256008	020829
<b>Priority</b>	US 947261	010905

**Designated States:** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

**International** H04N-001/00; H04N-005/232

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): H04N-001/00; H04N-005/232

**Abstract Word Count:** 141

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200311	565
SPEC A	(English)	200311	5801

<b>Total word count</b>	Document A	6366
<b>Total word count</b>	Document B	0
<b>Total word count</b>	Document A + B	6366

#### Specification

...this respect, the wireless printing interface kit comprises a number of hidden objects that perform a number of wireless printing tasks associated with a wireless **printing operation** for an application. The kit further includes at least **one application** programming interface (API) object that provides an interface between the application and the hidden objects. The kit also includes at least one adaptive object template...

#### Claims

...embodied on a computer readable medium, comprising:

a number  
of hidden objects (143) that perform a number of wireless printing tasks associated with a wireless **printing operation** for an application (129);


at least **one application**  
programming interface (API) object (146) that provides an interface between the application (129) and the hidden objects (143); and

at  
least one adaptive object template...  
...application (129) capable of a print operation;  
a number of  
hidden objects (143) that encapsulate a number of wireless printing tasks  
associated with a wireless **printing operation** for the  
application (129);  
at least **one application**  
programming interface (API) object (146) that provides an interface between  
the application (129) and the hidden objects (143); and  
at  
least one platform specific object...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

17.  **8/3,K/17 (Item 17 from file: 348)** DIALOG(R)File 348:EUROPEAN  
PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01436639

**Image-forming device and method controlling a cooling fan according to a  
position of a transfer sheet being conveyed and computer program product**

**Title in German:** Bilderzeugungsgerät und Verfahren zur Steuerung eines  
Kühlgeblases

**Title in French:** Dispositif de formation d'images et methode de controle  
d'un ventilateur de refroidissement

**Patent Assignee:** Ricoh Company, Ltd., (209037), 3-6, Nakamagome 1-  
chome, Ohta-ku, Tokyo 143-8555, (JP), (Applicant  
designated States: all)

**Inventor:** Kuwabara, Yoshihiro, 3-6-20-204, Minamicho, Koshigaya-  
shi, Saitama, (JP)

**Legal** Schwabe - Sandmair - Marx (100951), Stuntzstrasse 16,  
**Representative:** 81677 Munchen, (DE)

	Patent Number	Kind	Date
Patent	EP 1220053	A2	020703 (Basic)
	EP 1220053	A3	021211

<b>Application</b>	EP 2001130620	011227
<b>Priority</b>	JP 2000399947	001228
	JP 200154726	010228

**Designated States:** DE; FR; GB

**International** G03G-015/20; G03G-021/20

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G03G-015/20; G03G-021/20

**Abstract Word Count:** 86

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200227	4155
SPEC A	(English)	200227	16372

<b>Total word count</b>	Document A	20527
<b>Total word count</b>	Document B	0
<b>Total word count</b>	Document A + B	20527

#### Specification

...paper B can perform a thread of the step S401.

Next, a description will be given, with reference to FIG.8, of the above-mentioned **one process**.

When a **print request** is transmitted from the host device 16 to the laser printer 1, the engine 3 starts feeding a transfer paper. When another transfer paper is...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

18. ☐ **8/3,K/18 (Item 18 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01434645

**Printing over the internet**

**Title in German:** Drucken uber Internet

**Title in French:** Impression sur internet

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Applicant designated States: all)

**Inventor:** Kemp, Devon James, Canon Development Americas Inc., 110 Innovation Drive, Irvine, California 92612, (US)  
Gibson, Donald Parke, Canon Dev. Americas, Inc., 110 Innovation Drive, Irvine, California 92612, (US)  
Huang, Hung, Canon Development Americas, Inc., 110 Innovation Drive, Irvine, California 92612, (US)

**Legal Representative:** Beresford, Keith Denis Lewis et al (28276), BERESFORD & Co. 16 High Holborn, London WC1V 6BX, (GB)

	Patent Number	Kind	Date
Patent	EP 1215567	A2	020619 (Basic)
	EP 1215567	A3	061025
Application	EP 2001310391		011212
Priority	US 736240		001215

**Designated States:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

**International Patent Class:** G06F-003/12

INTERNATIONAL PATENT CLASS (V7): G06F-003/12

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0003/12 A I F B 20060101 20020403 H EP

**Abstract Word Count:** 114

**Language (Publication, Procedural, Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200225	2241
SPEC A	(English)	200225	9231



Total word count	Document A	11474
Total word count	Document B	0
Total word count	Document A + B	11474

### Specification

...The print data is transmitted over the Internet by a print driver executable in the transmitting node, the print driver being accessible by at least **one application** program and in response to a **print request** from the application program, (a) rendering the print data into a printing definition language, and (b) packaging the rendered print data with a protocol for...

...processor performs executable process steps, and a memory stores the executable process steps. The executable process steps comprise a print driver accessible by at least **one application** program that, in response to a **print request** from an application program, (a) renders print data into a printing definition language, and (b) packages the rendered print data with a protocol for transmission...

### Claims

...transmitted over the Internet by the transmitting node, wherein, the print data is transmitted over the Internet by a print driver accessible by at least **one application** program, the print driver, in response to a **print request** from an application program, (a) rendering the print data into a printing definition language, and (b) packaging the rendered print data with a protocol for...

...executable process steps; and


a memory for storing the executable process steps, wherein the executable process steps comprise a print driver accessible by at least **one application** program for, in response to a **print request** from an application program, (a) rendering print data into a printing definition language, and (b) packaging the rendered print data with a protocol for transmission...  
...print job data.

47. A method according to Claim 46, wherein the reply to the job ticket information includes an approximate cost of processing the **print job** data.

48. A print driver, accessible by at least **one application** program, so as to generate print data to be transmitted over a network, comprising:

receiving a print request from an application program to print over  
...

**Dialog eLink:** [Order file history](#)

19.  **8/3,K/19 (Item 19 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01432728

**System for generating data on the usage of a printer device**

**Title in German:** System zum Erzeugen von Gebrauchsdaten einer Druckvorrichtung

**Title in French:** Systeme pour generer des donnees d'usage d'un dispositif d'impression

**Patent Assignee:** Promatek Industries Ltd., (3278200), 8390 Mayrand, Montreal, Quebec H4P 2C9 , (CA), (Applicant designated States: all)

**Inventor:** Levine, Mark, 5566 Pinedale, Cote St-Luc, Quebec H4V 2X7, (CA)

**Legal Representative:** Santarelli (100891), 14, avenue de la Grande Armee, 75017 Paris, (FR)

	Patent Number	Kind	Date
Patent	EP 1211651	A2	020605 (Basic)
	EP 1211651	A3	040414
Application	EP 2001400645		010312
Priority	US 710556		001110

**Designated States:** DE; FR; GB

**International** G07F-007/00; G03G-021/02; H04N-001/34

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G07F-007/00; G03G-021/02; H04N-001/34

**Abstract Word Count:** 155

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200223	1517
SPEC A	(English)	200223	6897

Total word count	Document A	8414
Total word count	Document B	0
Total word count	Document A + B	8414

**Specification**


...of the document print information it activates the appropriate printing device language interpreter 53.

First, the printing device language interpreter 53 attempts to read two **particular codes** that might be present in the **print job** file, namely a collate command or a printer command to print each page a pre-determined number of times in a case multiple copies are...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

20.  **8/3,K/20 (Item 20 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01423805

**Dynamically configurable printer and method of use thereof**

**Title in German:** Dynamisch konfigurierbarer Drucker und Verfahren

**Title in French:** Imprimante et methode dynamiquement configurable

**Patent Assignee:** Minolta-QMS, Inc., (3930890), One Magnum Pass, Mobile, Alabama 36689, (US), (Applicant designated States: all)

**Inventor:** Ashe, Steven M., 2708 South Lakeridge Trail, Boulder, Colorado 80302, (US)

**Legal Representative:** 't Jong, Bastiaan Jacobus et al (49911), Arnold & Siedsma Advocaten en Octrooigemachtigden Sweelinkplein 1, 2517 GK Den Haag, (NL)

	Patent Number	Kind	Date
--	---------------	------	------

<b>Patent</b>	EP 1202160	A2	020502 (Basic)
	EP 1202160	A3	051221
<b>Application</b>	EP 2001204157		011030
<b>Priority</b>	US 699885		001030

**Designated States:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**International** G06F-003/12

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-003/12

**Abstract Word Count:** 113

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200218	1500
SPEC A	(English)	200218	5743

<b>Total word count</b>	Document A	7243
<b>Total word count</b>	Document B	0
<b>Total word count</b>	Document A + B	7243

**Specification**


...a run-time environment that allows for strict print job control to be achieved through a multi-threaded architecture. This allows the printer to start **one thread** of execution for each **print** job, keeping control of that job until completion.

Because the control software of the printer is implemented in the JAVA programming language, configuration of the printer...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

21.  **8/3,K/21 (Item 21 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS** (c) 2009 European Patent Office. All rts. reserv.  
01346625

## Non-uniform overlapping printing

**Title in German:** Drucken auf nichtuniforme ueberlappende Weise

**Title in French:** Impression par chevauchement non uniforme

**Patent Assignee:** SEIKO EPSON CORPORATION, (730004), 4-1, Nishi-shinjuku 2-chome Shinjuku-ku., Tokyo 163-0811, (JP),  
(Proprietor designated states: all)

**Inventor:** Sato, Akito, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)  
Otsuki, Koichi, c/o Seiko Epson Corporation, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)

**Legal Representative:** Winter, Brandl, & Furniss, Hubner Ross, Kaiser, Polte  
Partnerschaft Patent- und Rechtsanwaltskanzlei (100051),  
Alois-Steinecker-Strasse 22, 85354 Freising, (DE)

	Patent Number	Kind	Date
Patent	EP 1149708	A2	011031 (Basic)
	EP 1149708	A3	021016
	EP 1149708	B1	050824
Application	EP 2001109967		010424
Priority	JP 2000123814		000425
	JP 2000248743		000818

**Designated States:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**International Patent Class:** B41J-002/505; B41J-002/21; G06K-015/10

INTERNATIONAL PATENT CLASS (V7): B41J-002/505; B41J-002/21;  
G06K-015/10

**Abstract Word Count:** 17380

**Language (Publication,Procedural,Application):** English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200144	4158

CLAIMS B	(German)	200534	2025
CLAIMS B	(French)	200534	2577
SPEC A	(English)	200144	13402
SPEC B	(English)	200534	13592

Total word count	Document A	17563
Total word count	Document B	20445
Total word count	Document A + B	38008

### Specification

...95 performs the desired processing on the image to be processed, and displays the image on CRT 21 with the aid of video driver 91.

**When application** program 95 issues a **print command**, printer driver 96 of computer 90 receives image data from application program 95, and converts this to print data PD to supply to color printer...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.

---

**Dialog eLink:** [Order file history](#)

22. ☐ **8/3,K/22 (Item 22 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
01321398

### Print job management system

**Title in German:** Druckjob-Verwaltungssystem

**Title in French:** Systeme de gestion de tache d'imprimante

**Patent Assignee:** Seiko Epson Corporation, (730004), 4-1, Nishi-shinjuku 2-chome, Shinjuku-kuTokyo 163-0811, (JP), (Proprietor designated states: all)

**Inventor:** Gassho, Kazuhito, c/o Seiko Epson Corp.,3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)  
Nakaoka, Yasushi, c/o Seiko Epson Corp.,3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, (JP)

**Legal Representative:** Winter, Brandl, Furniss, Hubner Ross, Kaiser, Polte  
Partnerschaft Patent- und Rechtsanwaltskanzlei (100051),

Alois-Steinecker-Strasse 22, 85354 Freising, (DE)

	Patent Number	Kind	Date
Patent	EP 1128259	A2	010829 (Basic)
	EP 1128259	A3	050817
	EP 1128259	B1	081119
Application	EP 2001101255		010119
Priority	JP 200013657		000124

**Designated States:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**International Patent Class:** G06F-003/12

**INTERNATIONAL PATENT CLASS (V7):** G06F-003/12

**INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):**

IPC + Level Value Position Status Version Action Source Office:

G06F-0003/12 A I F B 20060101 20010711 H EP

**Abstract Word Count:** 155

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200135	825
CLAIMS B	(English)	200847	1198
CLAIMS B	(German)	200847	1063
CLAIMS B	(French)	200847	1386
SPEC A	(English)	200135	6777
SPEC B	(English)	200847	7136

Total word count	Document A	7603
Total word count	Document B	10783
Total word count	Document A + B	18386

**Claims** ...determined by stacking condition of the predetermined data.

12. A recording medium in which a specific program is recorded in a computer readable manner, said **specific program** making a plurality of **print jobs** sent

from at least one print data generating apparatus stored into a buffer and causing a printer to adequately carry out printing operations corresponding to...  
...including at least one interactive print job on the premise that mutual communication is established between said print data generating apparatus and said printer, said **specific program** attaining the functions of:  
determining whether or not each **print job** of interest among the plurality of print jobs is said interactive print job;  
when the print job of interest is the interactive print job, stacking...

**Claims** ...PC3, PC4) and said printer (PRT1, PRT2, PRT3).


12. A recording medium in which a specific program is recorded in a computer readable manner, said **specific program** making a plurality of **print jobs** sent from at least one print data generating apparatus (PC1, PC2, PC3, PC4) stored into a buffer and causing a printer (PRT1, PRT2, PRT3) to... ..on the premise that mutual communication is established between said print data generating apparatus (PC1, PC2, PC3, PC4) and said printer (PRT1, PRT2, PRT3), said **specific program** attaining the functions of: determining whether each **print job** of interest among the plurality of print jobs is said interactive print job or the non-interactive print job;

stacking interactive print job data and...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

23.  **8/3,K/23 (Item 23 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS** (c) 2009 European Patent Office. All rts. reserv.  
01198605

**Printing system, print controller, printing apparatus, method of controlling printing operation, method of printing, ink cartridge, ink supplier, and recording medium**

**Title in German:** Drucksystem, Drucksteuerung, Druckgerät, Verfahren zur Druckoperationssteuerung, Verfahren zum Drucken, Tintenkartusche, Tintenversorger und Aufzeichnungsmedium

**Title in French:** Systeme d'impression, unite de commande d'impression, dispositif d'impression, procede de commande de l'operation d'impression, procede d'impression, cartouche d'encre, unite d'alimentation en encre et support d'enregistrement

**Patent Assignee:** SEIKO EPSON CORPORATION, (730004), 4-1, Nishi-



shinjuku 2-chome Shinjuku-ku., Tokyo 163-0811, (JP),  
(Applicant designated States: all)

**Inventor:** Kakutani, Toshiaki, c/o Seiko Epson Corporation, 3-5, Owa  
3-chome, Suwa-shi, Nagano-ken, 392-8502, (JP)

**Legal Representative:** Winter, Brandl, Furniss, Hubner Ross, Kaiser, Polte  
Partnerschaft Patent- und Rechtsanwaltskanzlei (100051),  
Alois-Steinecker-Strasse 22, 85354 Freising, (DE)

	Patent Number	Kind	Date
Patent	EP 1043164	A2	001011 (Basic)
	EP 1043164	A3	051012
Application	EP 2000106846		000330
Priority	JP 9991040		990331

**Designated States:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

**International Patent Class:** B41J-002/21; B41J-002/175; H04N-001/46; H04N-001/60

INTERNATIONAL PATENT CLASS (V7): B41J-002/21; B41J-002/175;  
H04N-001/46; H04N-001/60

**Abstract Word Count:** 95

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200041	6547
SPEC A	(English)	200041	32040

Total word count	Document A	38587
Total word count	Document B	0
Total word count	Document A + B	38587

#### Specification

...of different inks on a printing medium, in order to control the creation of dots with the plurality of different inks and thereby controlling a printing operation of the printer. The specific program causes a computer to attain the functions of: specifying dot

on-off conditions with regard to a plurality of basic color inks and a dark ...of different inks on a printing medium, in order to control the creation of dots with the plurality of different inks and thereby controlling a **printing operation** of the printer. The **specific program** causes a computer to attain the functions of: specifying dot on-off conditions with regard to a plurality of basic color inks and dark yellow...

### Claims

...of different inks on a printing medium, in order to control the creation of dots with the plurality of different inks and thereby controlling a **printing operation** of said printer,

said

**specific program** causing a computer to attain the functions of:

specifying dot on-off conditions with regard to a plurality of basic color inks and a dark...

...of different inks on a printing medium, in order to control the creation of dots with the plurality of different inks and thereby controlling a **printing operation** of said printer,

said

**specific program** causing a computer to attain the functions of:

specifying dot on-off conditions with regard to a plurality of basic color inks and dark yellow...

...regard to the plurality of basic color inks and the dark yellow ink to said printer as the control information, so as to control the **printing operation** of said printer.

70. A


recording medium, in which a **specific program** is recorded in a computer readable manner, said specific program actualizing a method of receiving control information to control creation of dots with a plurality

...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

25.  **8/3,K/25 (Item 25 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv. 01043027**

**Printing system and transmission device for transmitting print control program**

**Title in German: Druckersystem und Übertragungsvorrichtung um Druckersteuerungsprogramm zu übertragen**

**Title in French: Systeme d'impression et dispositif de transmission pour transmettre un programme de commande d'impression**

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

**Inventor:** Tsuchitoi, Naoki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Mori, Junichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

**Legal Representative:** Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 16 High Holborn, London WC1V 6BX, (GB)

	Patent Number	Kind	Date
Patent	EP 923024	A2	990616 (Basic)
	EP 923024	A3	000809
	EP 923024	B1	041124
Application	EP 98310142		981210
Priority	JP 97361705		971211
	JP 9834411		980217
	JP 98243430		980828
	JP 98317549		981109

**Designated States:** DE; FR; GB; IT; NL

**International** G06F-003/12; H04L-029/06

**Patent Class:**

**INTERNATIONAL PATENT CLASS (V7):** G06F-003/12; H04L-029/06

**Abstract Word Count:** 138

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	199924	4693
CLAIMS B	(English)	200448	1214
CLAIMS B	(German)	200448	983
CLAIMS B	(French)	200448	1371
SPEC A	(English)	199924	16300
SPEC B	(English)	200448	16238

Total word count	Document A	20997
Total word count	Document B	19806
Total word count	Document A + B	40803

### Specification

...a cancellation instruction for the print job that is entered by the utility unit 105 or at the operation panel 161.

The cancellation of a **print job** means the **same process** is performed as for the withdrawal of a **print job** or the deletion of a print job, and also the invalidation of print data for a print job, such as PDL data and a drawing...

### Specification


...a cancellation instruction for the print job that is entered by the utility unit 105 or at the operation panel 161.

The cancellation of a **print job** means the **same process** is performed as for the withdrawal of a **print job** or the deletion of a print job, and also the invalidation of print data for a print job, such as PDL data and a drawing...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

Dialog eLink: [Order file history](#)

28.  8/3,K/28 (Item 28 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
00937681

**A remote control apparatus and a system therefor**

**Title in German: Fernsteuereinrichtung und zugehöriges System**

**Title in French: Dispositif de telecommande et son systeme**

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

**Inventor:** Jeyachandran, Suresh, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Ibaraki, Shoichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Takayama, Masayuki, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Suda, Aruna Rohra, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Wakai, Masanori, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Mikame, Shuichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Fujii, Kenichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
Takahashi, Satomi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

**Legal Representative:** Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court, High Holborn, London WC1R 5DH, (GB)

	Patent Number	Kind	Date
Patent	EP 853301	A2	980715 (Basic)
	EP 853301	A3	981230
	EP 853301	B1	030502
Application	EP 97310582		971224
Priority	JP 96348308		961226
	JP 9744528		970228
	JP 9751718		970306

**Designated States:** DE; FR; GB; IT; NL

**International** G06F-013/00; G05B-019/00; G08C-019/28

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-013/00; G05B-019/00; G08C-019/28

**Abstract Word Count:** 107

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199829	5722
CLAIMS B	(English)	200318	911
CLAIMS B	(German)	200318	797
CLAIMS B	(French)	200318	970
SPEC A	(English)	199829	42558
SPEC B	(English)	200318	41534

<b>Total word count</b>	Document A	48287
<b>Total word count</b>	Document B	44212
<b>Total word count</b>	Document A + B	92499

**Specification**

...The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and the quality that are acquired by the **print job**. The **print job** automatic change unit 518 can perform the **same process** for changing parameters that have previously been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to... The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to... The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to...

### Specification

...The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and the quality that are acquired by the **print job**. The **print job** automatic change unit 518 can perform the **same process** for changing parameters that have previously been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to... The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to...The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

31. ¶ 8/3,K/31 (Item 31 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
00934759

### An information processing apparatus for managing schedule data and a method therefor

**Title in German:** Informationsverarbeitungsvorrichtung zum Verwalten von Zeitplanungsdaten und Verfahren dafür

**Title in French:** Dispositif de traitement d'informations pour la gestion de données de planification et méthode adéquate

**Patent** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome,  
**Assignee:** Shimomaruko, Ohta-ku, Tokyo, (JP), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

**Inventor:** Suda, Aruna Rohra, Canon Kabushiki Kaisha, 30-2,  
Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

Takayama, Masayuki, Canon Kabushiki Kaisha, 30-2,  
 Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
 Wakai, Masanori, Canon Kabushiki Kaisha, 30-2,  
 Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)  
 Jeyachandran, Suresh, Canon Kabushiki Kaisha, 30-2,  
 Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

**Legal** Beresford, Keith Denis Lewis et al (28273), BERESFORD  
**Representative:** & Co. 2-5 Warwick Court High Holborn, London WC1R  
 5DJ, (GB)

	Patent Number	Kind	Date
Patent	EP 851372	A2	980701 (Basic)
	EP 851372	A3	990804
Application	EP 97310586		971224
Priority	JP 96348046		961226
	JP 9744256		970228

**Designated States:** DE; FR; GB; IT; NL

**International** G06F-017/60;

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-017/60;

**Abstract Word Count:** 110

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9827	1209
SPEC A	(English)	9827	29239

Total word count	Document A	30448
Total word count	Document B	0
Total word count	Document A + B	30448

#### Specification

...The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and the quality that are acquired by the **print job**. The **print job** automatic change unit 518 can perform the **same process** for




changing parameters that have previously been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to... The print job automatic setup unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 517 sets print parameters while taking into consideration the urgency, economy and quality values that are acquired from the **print job**. The **print job** automatic change unit 518 can perform the **same process** to change the parameters that have been set. The **print jobs** that are set or altered are registered in a print job schedule included in a print job scheduling unit 520 and are sequentially read to...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

33.  **8/3,K/33 (Item 33 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS** (c) 2009 European Patent Office. All rts. reserv.  
00934097

**Methods, systems, and computer program products for controlling picklists**

**Title in German:** Rechnerprogrammprodukt zur Steuerung von Menu-Listen

**Title in French:** Programme d'ordinateur pour commander des listes de menu

**Patent Assignee:** SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL1-521, Palo Alto, California 94043, (US), (Applicant designated States: all)

**Inventor:** O'Leary, Daniel J., 357 Vincent Drive, Mountain View, California 94041, (US)

**Legal** Kack, Jurgen et al (93671), Kahler Kack Mollekopf

**Representative:** Patentanwalte Vorderer Anger 239, 86899 Landsberg, (DE)

	Patent Number	Kind	Date
<b>Patent</b>	EP 851346	A2	980701 (Basic)
	EP 851346	A3	030917
<b>Application</b>	EP 97121328		971204
<b>Priority</b>	US 759694		961206

**Designated States:** DE; FR; GB; NL; SE

**International** G06F-009/44; G06F-003/023; G06F-003/033

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-009/44; G06F-003/023; G06F-003/033

**Abstract Word Count:** 88

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9827	670
SPEC A	(English)	9827	2930

<b>Total word count</b>	Document A	3600
<b>Total word count</b>	Document B	0
<b>Total word count</b>	Document A + B	3600


#### Specification

...section 304 include, but not necessarily found, are commands for saving a current file, commands for printing a current file, commands for setting up a **printer**, commands for defining preferences, and commands for quitting a **particular application**. Picklist section 308 includes a display region showing three recently used files that have been opened or saved recently, i.e., /user/djo/src/temp...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

34.  8/3,K/34 (Item 34 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.

00891312

**Printing system**

**Title in German: Drucksystem**

**Title in French: Systeme d'impression**

**Patent Assignee:** CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

**Inventor:** Furuya, Yoji, Canon Kabushiki Kaisha,30-2, Shimomaruko 3-chome, Ohta-ku,Tokyo, (JP)  
Suzuki, Masayoshi, Canon Kabushiki Kaisha,30-2, Shimomaruko 3-chome, Ohta-ku,Tokyo, (JP)  
Okamoto, Yoshifumi, Canon Kabushiki Kaisha,30-2, Shimomaruko 3-chome, Ohta-ku,Tokyo, (JP)  
Dohi, Makoto, Canon Kabushiki Kaisha,30-2, Shimomaruko 3-chome, Ohta-ku,Tokyo, (JP)

**Legal Representative:** TBK-Patent (102382), Bavariaring 4-6, 80336 Munchen, (DE)

	Patent Number	Kind	Date
<b>Patent</b>	EP 814598	A2	971229 (Basic)
	EP 814598	A3	991117
	EP 814598	B1	060726
<b>Application</b>	EP 97109853		970617
<b>Priority</b>	JP 96156983		960618

**Designated States:** DE; FR; GB; IT; NL

**International** H04N-001/32; G06K-015/00

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): H04N-001/32; G06K-015/00

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04N-0001/32 A I F B 20060101 19971006 H EP

G06K-0015/00 A I L B 20060101 19971006 H EP

**Abstract Word Count:** 177

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199712W3	2484
CLAIMS B	(English)	200630	1222
CLAIMS B	(German)	200630	1059
CLAIMS B	(French)	200630	1375
SPEC A	(English)	199712W3	16007
SPEC B	(English)	200630	15965

Total word count	Document A	18494
Total word count	Document B	19621
Total word count	Document A + B	38115

#### Specification

...image data.

Figure 6 shows the format of print commands and encoded image data for a "huge page" of encoded image data.

Figure 7 shows **specific codes** for various **print commands** and encoded image data.

Figure 8 shows a map of a memory which stores control programs that are executable on a controller in the printer...

...depicted in Figure 2(b) above). In these cases, the various blocks are separated using plural page start commands 31.

Figure 7 shows examples of **specific codes** corresponding to various **print commands** and encoded image data. As shown, page start command 31 comprises four successive bytes of "01h"; and block start command 32 comprises four successive bytes...

#### Specification

...image data.

Figure 6 shows the format of print commands and encoded image data for a "huge page" of encoded image data.

Figure 7 shows **specific codes** for various **print commands** and encoded image data.


Figure 8 shows a map of a memory which stores control programs that are executable on a controller in the printer...depicted in Figure 2(b) above). In these cases, the various blocks are separated using plural page start commands 31.

Figure 7 shows examples of **specific codes** corresponding to various **print commands** and encoded image data. As shown, page start command 31 comprises four successive bytes of "01h"; and block start command 32 comprises four successive bytes...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

35.  **8/3,K/35 (Item 35 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
00792757

**Print request using a file transfer protocol**

**Title in German:** Druckanforderung unter Benutzung eines  
Dateiübertragungsprotokolls

**Title in French:** Demande d'impression utilisant un protocole de transfert  
de fichier

**Patent Assignee:** FUJI XEROX CO., LTD., (450440), No. 3-5, Akasaka 3-  
chome, Minato-ku Tokyo 107, (JP), (Proprietor designated  
states: all)

**Inventor:** Nakazawa, Toshiya, c/o Fuji Xerox Co., Ltd., KSP R&D  
Business Park Bldg., 2-1 Sakado 3-chome, Takatsu-ku,  
Kawasaki-shi, Kanagawa, (JP)

**Legal** Grunecker, Kinkeldey, Stockmair & Schwanhauser  
**Representative:** Anwaltssozietat (100721), Maximilianstrasse 58, 80538  
Munchen, (DE)

	Patent Number	Kind	Date
Patent	EP 738955	A2	961023 (Basic)
	EP 738955	A3	970416
	EP 738955	B1	020403
Application	EP 95116418		951018
Priority	JP 95116548		950418

**Designated States:** DE; FR; GB  
**International** G06F-003/12  
**Patent Class:**

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	958
CLAIMS B	(English)	200214	894
CLAIMS B	(German)	200214	733
CLAIMS B	(French)	200214	1070
SPEC A	(English)	EPAB96	5335
SPEC B	(English)	200214	5347

Total word count	Document A	6294
Total word count	Document B	8044
Total word count	Document A + B	14338

**Specification**

...program read means, and the program read means searches the program storing means for the program specified by the program read function, and reads the **specified program** from the program storing means.


In the **print request** processing device of the second aspect of the invention, the command judging means judges the contents of the command based on the correspondence stored in...

**Specification**

...program read means, and the program read means searches the program storing means for the program specified by the program read function, and reads the **specified program** from the program storing means.

In the **print request** processing device of the second aspect of the invention, the command judging means judges the contents of the command based on the correspondence stored in...

**Dialog eLink:** [Order file history](#)

36.  **8/3,K/36 (Item 36 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv. 00784482**

## **PRINTING SYSTEM HAVING SETS OF PRINT COMMANDS**

**Title in German:** DRUCKERSYSTEM, DAS EINE REIHE VON DRUCKBEFEHLEN HAT

**Title in French:** SYSTEME D'IMPRESSION A COMMANDES GROUPEES

**Patent Assignee:** Oce-Technologies B.V., (241034), P.O. Box 101, 5900 MA Venlo, (NL), (applicant designated states: DE;FR;GB;NL;SE)

**Inventor:** VAN DEURZEN, Hendrikus, Johannes, Gabriella, Fazantlaan 125, NL-6021 ZE Budel, (NL)  
GEURTS, Gerardus, Johannes, Maria, Peelstraat 45, NL-5976 NK Kronenberg, (NL)  
ORBONS, Wilhelmus, Hendrikus, Maria, Engelbert Dorsstraat 22, NL-5971 VG Grubbenvorst, (NL)  
DEEN, Jurek, Nikolaj, Arienswei 34, NL-5912 JA Venlo, (NL)

**Legal Representative:** Hanneman, Henri W., Dr. et al (49472), Oce-Technologies B.V. Patents & Information St. Urbanusweg 43 P.O. Box 101, 5900 MA Venlo, (NL)

	Patent Number	Kind	Date
Patent	EP 797795	A1	971001 (Basic)
	EP 797795	B1	981014
	WO 9618143		960613
Application	EP 95939424		951208
	WO 95NL416		951208
Priority	NL 942088		941209
	NL 10719		950703

**Designated States:** DE; FR; GB; NL; SE

**International** G06F-003/12;

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-003/12;

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9842	768
CLAIMS B	(German)	9842	636
CLAIMS B	(French)	9842	883
SPEC B	(English)	9842	3855

Total word count	Document A	0
Total word count	Document B	6142
Total word count	Document A + B	6142

**Specification**

...inverted form. After selection, the user inputs the set of originals to the scanner and activates the starting button. The printing system then processes the **print job** by successively performing the **selected programs** on the read-in set of original images.

To program a print job according to the invention there is no need to input job specifications...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

Dialog eLink: [Order file history](#)

37. <sup>sm</sup> **8/3,K/37 (Item 37 from file: 348)** DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
00493314

**Printer capable of interpreting a plurality of printer control languages**

**Title in German: Drucker, der verschiedene Druckersteuerungssprachen auswertet**

**Title in French: Imprimante capable d'interpreter plusieurs langages de commandes d'imprimantes**

**Patent Assignee:** QMS, INC., (1397490), One Magnum Pass, P.O. Box 81250, Mobile, Alabama 36689-1250, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;NL;SE)

**Inventor:** Bringmann, Michael W., 225, rue Maison, Apartment N,



Mobile, Alabama 36608, (US)

**Legal Representative:** Thevenet, Jean-Bruno et al (39781), Cabinet Beau de Lomenie 158, rue de l'Universite, 75340 Paris Cedex 07, (FR)

	Patent Number	Kind	Date
Patent	EP 469974	A2	920205 (Basic)
	EP 469974	A3	920401
	EP 469974	B1	981007
Application	EP 91402092		910725
Priority	US 562371		900803

**Designated States:** AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; NL; SE  
**International** G06F-003/12;  
**Patent Class:**  
INTERNATIONAL PATENT CLASS (V7): G06F-003/12;  
**Abstract Word Count:** 96

**Language (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9841	646
CLAIMS B	(German)	9841	593
CLAIMS B	(French)	9841	734
SPEC B	(English)	9841	5328

Total word count	Document A	0
Total word count	Document B	7301
Total word count	Document A + B	7301

**Claims** ...sets comprise statistical data setting forth a measure of the likelihood of selected n-grams occurring in print jobs, said statistical data being indicative of **print jobs** encoded in a given printer control language by a **given application**.

7. A printer according to claim 1, wherein the data sets comprise statistical data setting forth a measure of the likelihood of combinations of selected n-grams

occurring in print jobs, said statistical data being indicative of **print jobs** encoded in one printer control language by a **given application** or another.

8. A printer according to claim 1, wherein the data sets comprise statistical data setting forth a measure of the likelihood of selected n-grams occurring in print jobs, said statistical data being indicative of **print jobs** encoded in a given printer control language by a **given application**, said data weighted by the ability of said n-grams to distinguish a given printer control language from other printer control languages.

9. A printer...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.  
All rights reserved.

---

**Dialog eLink:** [Order file history](#)

39. ¶ 8/3,K/39 (Item 39 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS (c) 2009 European Patent Office. All rts. reserv.  
00273451

**Input system for a data processing apparatus.**

**Title in German:** Eingabeverfahren fur eine Datenverarbeitungsanlage.

**Title in French:** Systeme pour l'entree de donnees dans un ordinateur.

**Patent Assignee:** BROTHER KOGYO KABUSHIKI KAISHA, (431480), 35, 9-chome, Horita-dori Mizuho-ku, Nagoya-shi, Aichi-ken, (JP), (applicant designated states: DE;FR;GB;IT)

**Inventor:** Yamakawa, Kiyoshi BROTHER KOGYO K.K., 35, 9-chome, Horita-dori Mizuho-ku, Nagoya-shi Aichi-ken, (JP)  
Sugiura, Yoshio BROTHER KOGYO K.K., 35, 9-chome, Horita-dori Mizuho-ku, Nagoya-shi Aichi-ken, (JP)  
Tsuruki, Satoru BROTHER KOGYO K.K., 35, 9-chome, Horita-dori Mizuho-ku, Nagoya-shi Aichi-ken, (JP)

**Legal Representative:** Senior, Alan Murray et al (35711), J.A. KEMP & CO 14 South Square Gray's Inn, London WC1R 5EU, (GB)

	Patent Number	Kind	Date
Patent	EP 278169	A2	880817 (Basic)
	EP 278169	A3	900418
	EP 278169	B1	930929

Priority	JP 86297013	861213
----------	-------------	--------

**Designated States:** DE; FR; GB; IT

**International** G06F-003/023; G06F-015/20;

**Patent Class:**

INTERNATIONAL PATENT CLASS (V7): G06F-003/023; G06F-015/20;

**Abstract Word Count:** 162

**Language (Publication,Procedural,Application):** English; English; English

#### FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1329
CLAIMS B	(German)	EPBBF1	1241
CLAIMS B	(French)	EPBBF1	1499
SPEC B	(English)	EPBBF1	6863

Total word count	Document A	0
Total word count	Document B	10932
Total word count	Document A + B	10932


#### Specification

...to change the typewheel 37 from one kind corresponding to the STANDARD mode to another kind corresponding to the newly selected INTERNATIONAL mode. This STOP code "ST" can be used to stop a **printing operation** from the text data from the TEXT memory 92, in order to insert desired data entered through the keyboard 3 while the printing operation is...

EUROPEAN PATENTS (Dialog® File 348): (c) 2009 European Patent Office.

---

**Dialog eLink:** [Order file history](#)

49.  **8/3,K/49 (Item 49 from file: 349) DIALOG(R)File 349:PCT FULLTEXT (c) 2009 WIPO/Thomson. All rts. reserv. 00745452 \*\*Image available\*\***  
**NETWORK PRINTING METHOD IN APPARATUS**  
**APPAREIL ET PROCEDE D'IMPRESSION DANS UN RESEAU**

**Patent Applicant/Assignee:**

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, 81  
Newgate Street, London EC1A 7AJ, GB, GB (Residence), GB (Nationality),  
(For all designated states except: US)

**Patent Applicant/Inventor:**

THOMAS Gregory Derek, 45 Margate Road, Ipswich, Suffolk IP3 9DE, GB,  
GB (Residence), GB (Nationality), (Designated only for: US)

BUTT John, 212 Ashcroft Road, Ipswich, Suffolk IP1 6AF, GB, GB  
(Residence), GB (Nationality), (Designated only for: US)

**Legal Representative:**

ROBINSON Simon Benjamin, BT Group Legal Services, Intellectual Property  
Dept., Holborn Centre, 8th floor, 120 Holborn, London EC1N 2TE, GB

**Patent and Priority Information (Country, Number, Date):**

**Patent:** WO 200058822 A1 **20001005** (WO 0058822)

**Application:** WO 2000GB900 20000310 (PCT/WO GB0000900)

**Priority Application:** GB 997368 19990330; EP 99305273 19990702

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications prior  
to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
( EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
( OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
( AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
( EA) AM AZ BY KG KZ MD RU TJ TM

**Publication Language:** English

**Filing Language:** English

**Fulltext Word Count:** 5190

**Patent and Priority Information (Country, Number, Date):**

**Patent:** ... **20001005**

**Fulltext Availability:**

**Detailed Description**

**Publication Year:** 2000

PCT FULLTEXT (Dialog@ File 349): (c) 2009 WIPO/Thomson. All rights  
reserved.

---